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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/712,676	11/13/2003	Nam Soo Cho	2080-3-195	9071
35884 759 LEE, HONG, DE	90 01/10/2007 GERMAN, KANG & SO	CHMADEKA	EXAM	INER
801 S. FIGUERO			LEO, LEO	NARD R
12TH FLOOR LOS ANGELES,	CA 90017		ART UNIT	PAPER NUMBER
			3744	14.5
· .		•		
SHORTENED STATUTORY P	PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE	
3 MONT	THS	01/10/2007	PAPER	

# Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

	I A No.		
	Application No.	Applicant(s)	
	10/712,676	CHO ET AL.	
Office Action Summary	Examiner	Art Unit	
·	Leonard R. Leo	3744	
The MAILING DATE of this communication apperiod for Reply	pears on the cover sheet w	ith the correspondence add	iress
	VIC SET TO EVOIDE 2 M	IONTU(S) OD TUIDTV (2(	)) DAVC
A SHORTENED STATUTORY PERIOD FOR REPL WHICHEVER IS LONGER, FROM THE MAILING D  - Extensions of time may be available under the provisions of 37 CFR 1.1 after SIX (6) MONTHS from the mailing date of this communication.  - If NO period for reply is specified above, the maximum statutory period	ATE OF THIS COMMUNIO 136(a). In no event, however, may a	CATION. reply be timely filed	
<ul> <li>Failure to reply within the set or extended period for reply will, by statute Any reply received by the Office later than three months after the mailin earned patent term adjustment. See 37 CFR 1.704(b).</li> </ul>	e, cause the application to become Al	BANDONED (35 U.S.C. § 133).	
Status			
1)⊠ Responsive to communication(s) filed on <u>31 J</u>	luly 2006		
·= · ·	s action is non-final.		
3) Since this application is in condition for allowa		ters, prosecution as to the	merits is
closed in accordance with the practice under I	•	*	:
· ·		,	:
Disposition of Claims			
4)⊠ Claim(s) <u>1-10</u> is/are pending in the application			
4a) Of the above claim(s) <u>7-10</u> is/are withdraw	n from consideration.		
5) Claim(s) is/are allowed.			
6)⊠ Claim(s) <u>1-6</u> is/are rejected.		•	
7) Claim(s) is/are objected to.			
8) Claim(s) are subject to restriction and/o	or election requirement.		:
Application Papers			: 7
9) The specification is objected to by the Examine	er.		
10) The drawing(s) filed on is/are: a) acc		by the Examiner.	
Applicant may not request that any objection to the	drawing(s) be held in abeyar	nce. See 37 CFR 1.85(a).	
Replacement drawing sheet(s) including the correct	tion is required if the drawing	(s) is objected to. See 37 CF	R 1.121(d).
11) The oath or declaration is objected to by the E	xaminer. Note the attached	d Office Action or form PT	O-152.
Priority under 35 U.S.C. § 119			. :
· ·			
12) △ Acknowledgment is made of a claim for foreign	n priority under 35 U.S.C. §	§ 119(a)-(d) or (f).	
a)⊠ All b)□ Some * c)□ None of:	te have been received		
<ul> <li>1. Certified copies of the priority documents have been received.</li> <li>2. Certified copies of the priority documents have been received in Application No</li> </ul>			
Copies of the certified copies of the priority documents      Copies of the certified copies of the priority documents.			Stone
application from the International Burea	• •	Teceived in this National C	Stage
* See the attached detailed Office action for a list		received	
dec the attached detailed Office action for a list	. o, and continue copies not	10001104.	
			• : .
			: :
Attachment(s)			. :
1) Notice of References Cited (PTO-892)		Summary (PTO-413)	
<ul> <li>2) Notice of Draftsperson's Patent Drawing Review (PTO-948)</li> <li>3) Information Disclosure Statement(s) (PTO/SB/08)</li> </ul>		s)/Mail Date  Informal Patent Application	
Paper No(s)/Mail Date <u>5/05, 4/06, 7/06</u> .	6)  Other:		

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### **DETAILED ACTION**

#### Election/Restrictions

Applicant's election without traverse of the invention of Group I in the reply filed on July 31, 2006 is acknowledged.

Claims 7-10 are withdrawn from further consideration pursuant to 37 CFR 1.142(b) as being drawn to a nonelected invention, there being no allowable generic or linking claim.

## Claim Objections

Claim 1 is objected to because of the following informalities: the recitation of "pins" in line 3 should read -- fins --. Appropriate correction is required.

## Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-2, 4 and 6 are rejected under 35 U.S.C. 102(b) as being anticipated by Scott. It has been held that the term "integral" is sufficiently broad to embrace constructions united by such means as fastening and welding. *In re Hotte*, 177 USPQ 326, 328 (CCPA 1973). In this respect, Scott (page 2, lines 8-16) discloses the heat exchanger is sweated (i.e. soldered) in the final assembly. Regarding claims 2 and 6, Scott (page 1, lines 62-71) discloses support holders 12, 13 with slots 16.

Claims 1-4 are rejected under 35 U.S.C. 102(b) as being anticipated by Kadle. It has been held that the term "integral" is sufficiently broad to embrace constructions united by such

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means as fastening and welding. *In re Hotte*, 177 USPQ 326, 328 (CCPA 1973). In this respect, Kadle (column 2, lines 30-32) discloses the fins 14 are brazed to the tubes 10. Regarding claim 2, Kadle discloses support holders 12. Regarding claim 3, Kadle (column 2, lines 13-30) discloses the fins 14 and tubes 10 are composed of aluminum.

Claims 1, 3 and 5 are rejected under 35 U.S.C. 102(b) as being anticipated by Hoshino et al. It has been held that the term "integral" is sufficiently broad to embrace constructions united by such means as fastening and welding. *In re Hotte*, 177 USPQ 326, 328 (CCPA 1973). In this respect, Hoshino et al (column 5, lines 22-26) discloses the fins 12 are brazed to the tubes 11. Regarding claim 3, Hoshino et al (column 1, lines 12-15) discloses the heat exchanger, i.e. condenser is composed of aluminum, including fins, tubes and headers. Regarding claim 5, Hoshino et al discloses fins 12 have louvers 12a, which by definition are slits angled from the plane of the fin.

#### **Conclusion**

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Leonard R. Leo whose telephone number is (571) 272-4916. The examiner can normally be reached on Monday thru Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Cheryl Tyler can be reached on (571) 272-4834. The fax phone number for the organization where this application or proceeding is assigned is (571) 273-8300.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

may be obtained from either Private PAIR or Public PAIR. Status information for unpublished

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applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

LEONARD R. LEO PRIMARY EXAMINER ART UNIT 3744

January 2, 2007